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Gruber, J.M.

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Part III

APPENDIX

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ACRONYMS

β -DM	n-Dodecyl β -D-maltoside
AOM	Acousto-optic modulator
ATP	Adenosin triphospate
BBY	Photosystem II membrane preparation [Berthold et al. (1981)]
Car	Carotenoid
CD	Circular dichroism
CFD	Constant fraction discriminator
Chl	Chlorophyll
CT	Charge transfer
Cyt b_6f	Cytochrome b_6f
EET	Excitation energy transfer
Fd	Ferredoxin
FWHM	Full width at half maximum
IC	Internal conversion
IRF	Instrument response function
ISC	Intersystem crossing
LHC	Light-harvesting complex
LHCII	Light-harvesting complex II
Lut	Lutein
NADPH	Reduced form of NADP^+
NADP^+	Nicotinamide adenine dinucleotide phosphate
NPQ	Non-photochemical quenching

OEC	Oxygen-evolving complex
PC	Plastocyanin
PSI	Photosystem I
PSII	Photosystem II
RC	Reaction center
RT	Room temperature
RMS	Root mean square
ROS	Reactive oxygen species
S-S	Singlet-singlet annihilation
S-T	Singlet-triplet annihilation
SI	Supporting information
SMS	Single-molecule spectroscopy
SNR	Signal-to-noise ratio
SPAD	Single-photon avalanche diode
TCSPC	Time correlated single photon counting
TTTR	Time-tagged time-resolved
TDC	Time to digital converter
Tyr _Z	Tyrosine-Z